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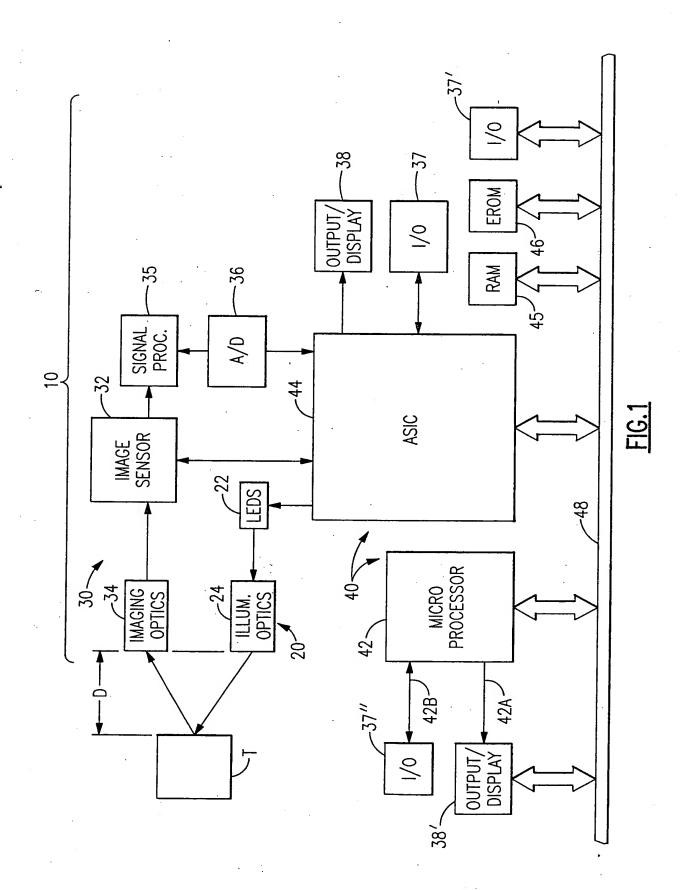
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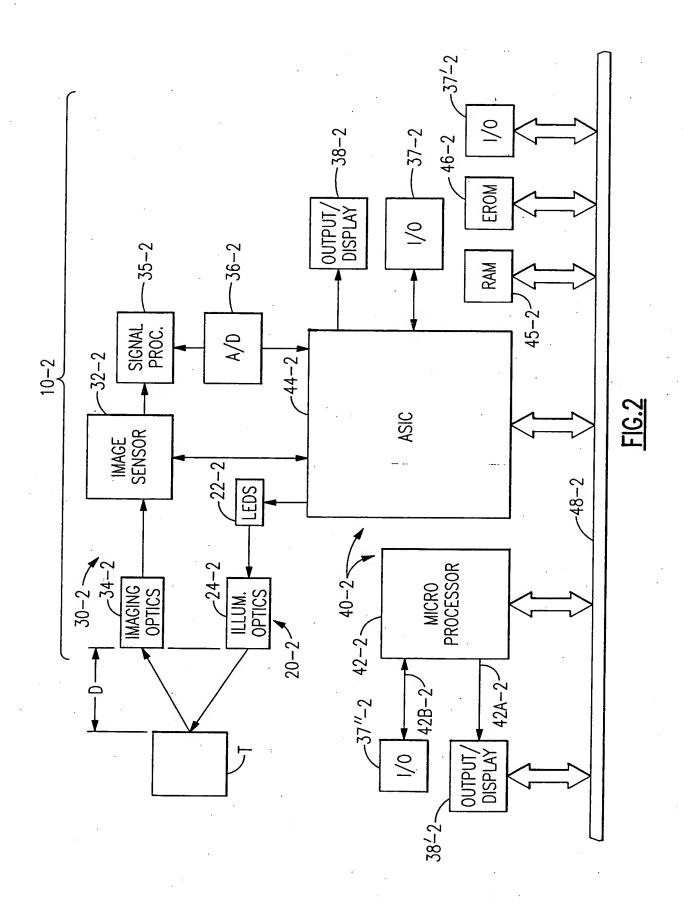
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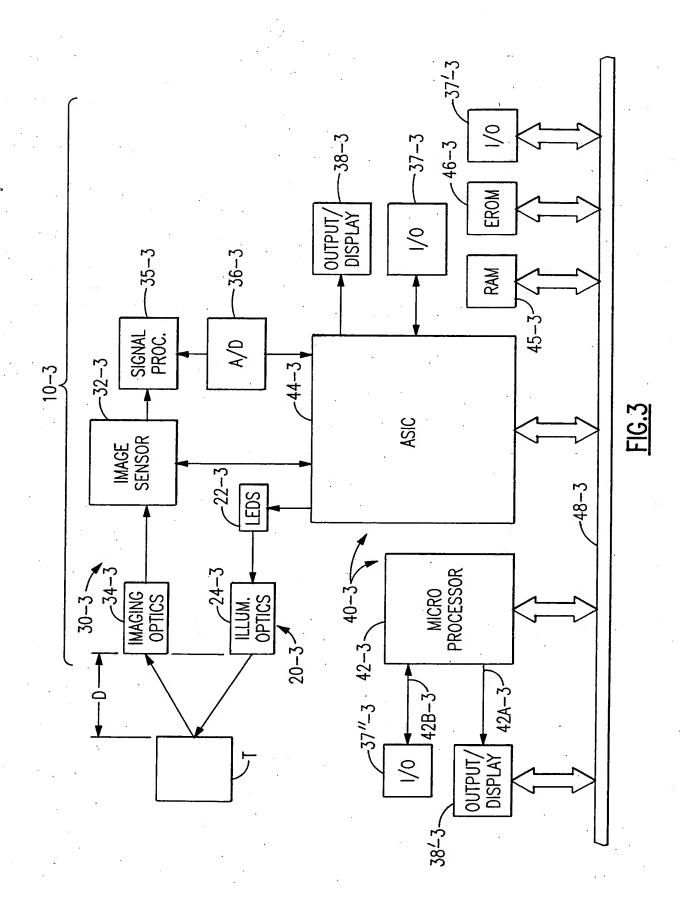
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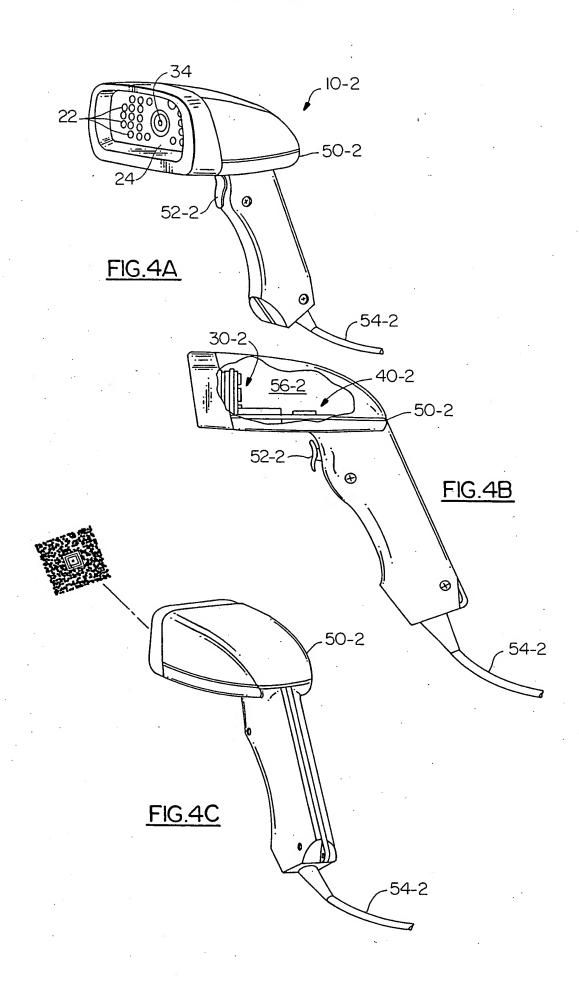
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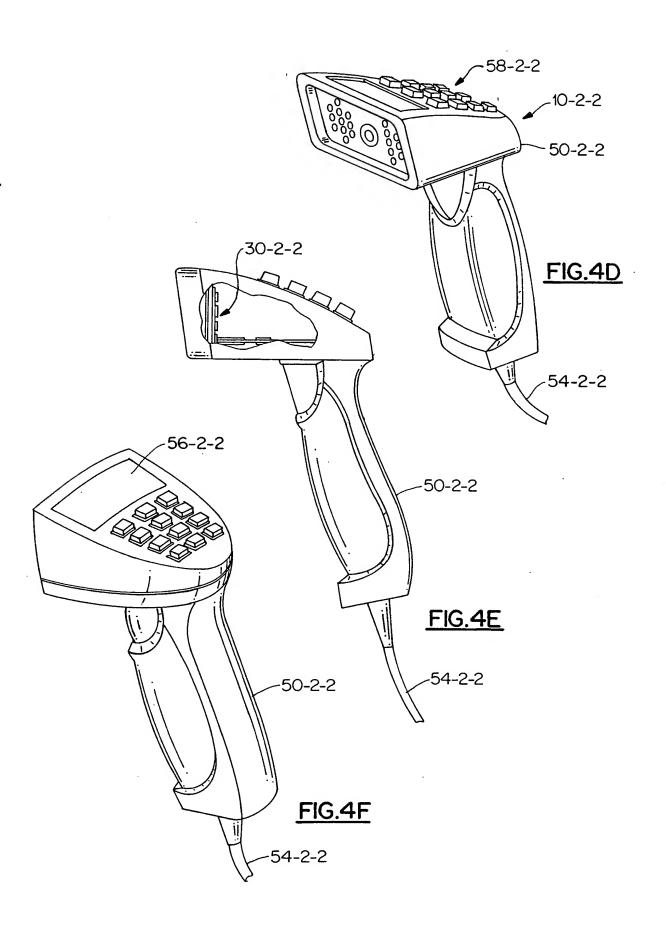
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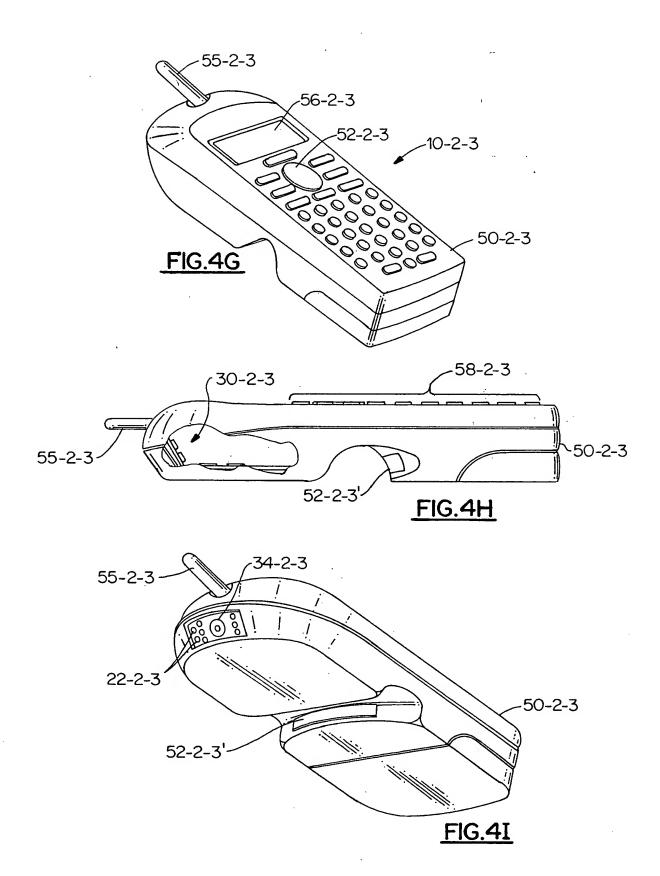


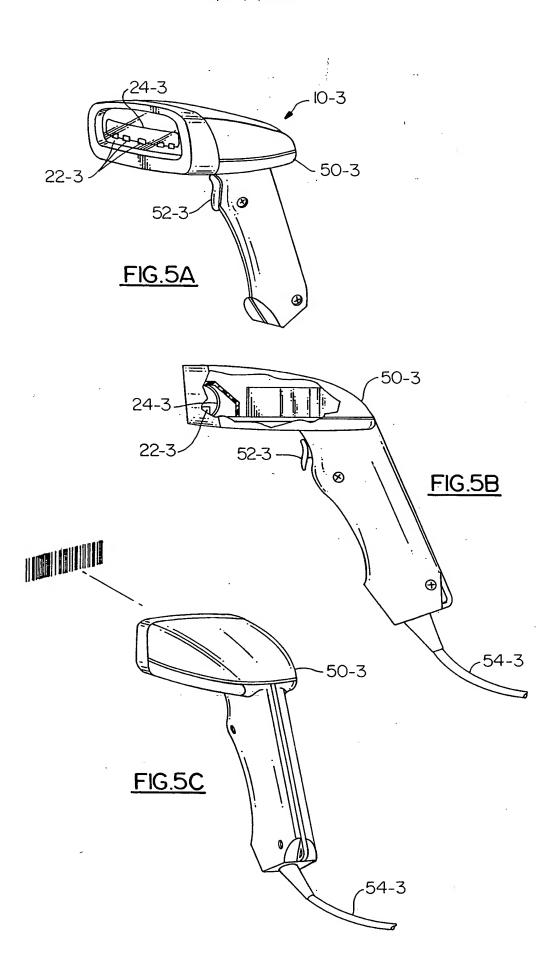


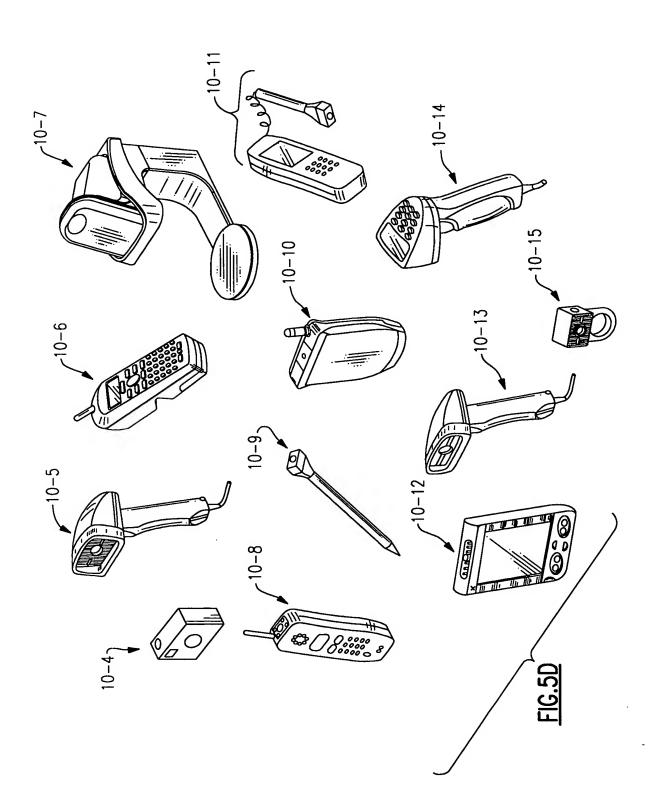












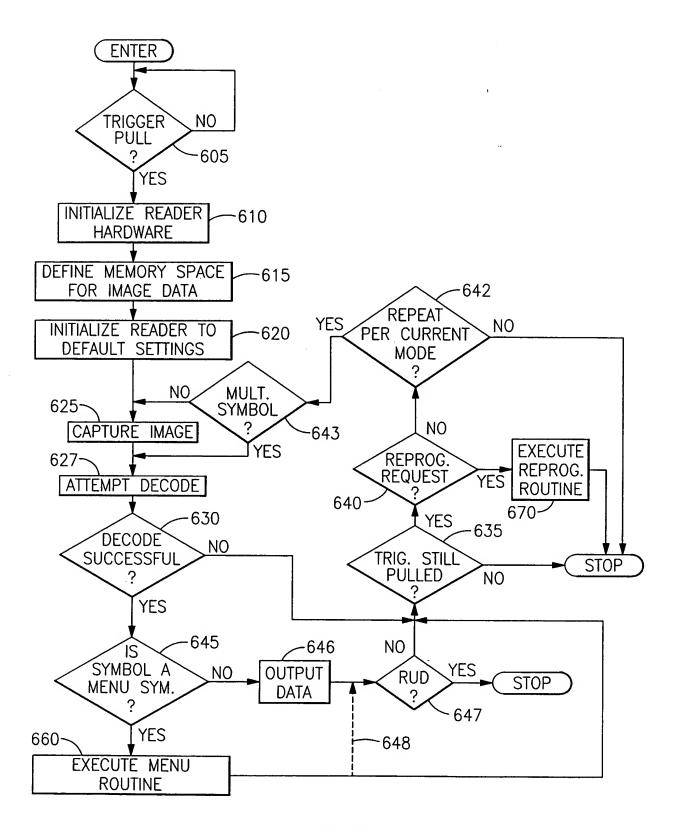
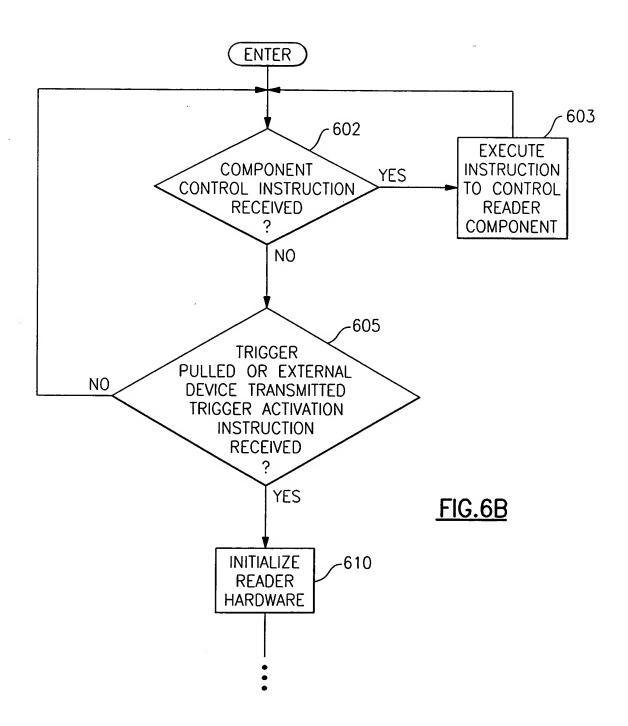


FIG.6A



<i>;</i>	650-1	650-2	2 - 650 - 3	650-	4 _650-	-5 ~650	0-6 -6	50-7
	PRODUCT 1D CODE	OP CODE	OFFSET	DATA O	DATA 1	DATA 2	DATA 3	
_				650	FIG.7	7A		7

OPTIONS (OFFSET) TABLE

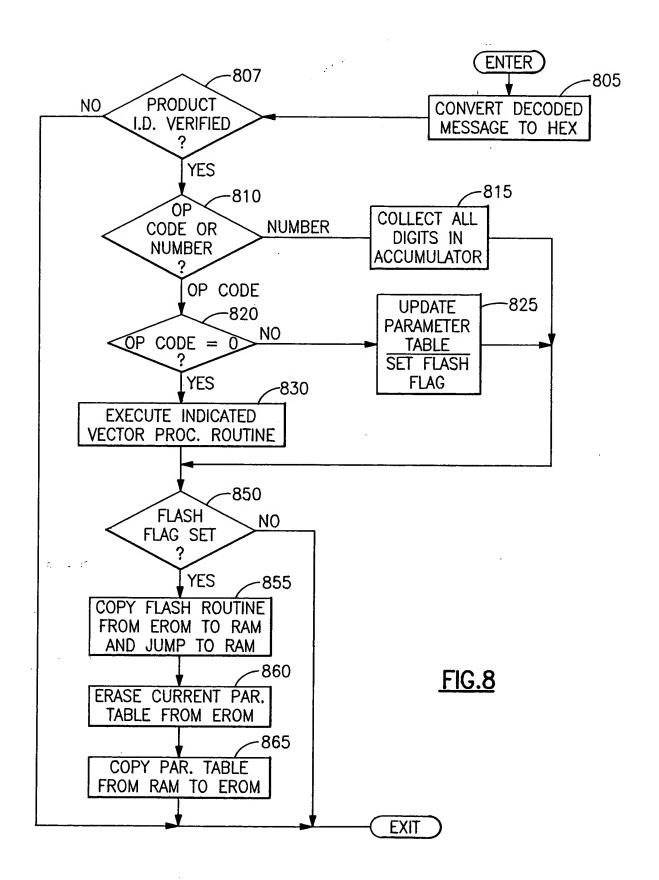
- A. COMMUNICATIONS OPTIONS
 - 1. RS-232
 - 2. BAUD RATE
 - 3. RF LINK
 - 4. ETHERNET
- B. CODE OPTIONS
 - 1. DISABLE 1D
 - 2. DISABLE 2D
 - 3. DISABLE INDIV.
 - 4. MIN-MAX LENGTH
 - 5. MULTIPLE SYMBOLS ENABLED
- C. SCANNING-DECODING OPTIONS
 - 1. ONE SHOT
 - 2. REPEAT UNTIL DONE
 - 3. REPEAT UNTIL STOPPED
 - 4. SCAN ON DEMAND
 - 5. SKIP SCAN
 - 6. DECODE ON DEMAND
- D. OPERATING OPTIONS
 - 1. BEEPER VOLUME
 - 2. AIMING LED ON/OFF
 - 3. AURAL FEEDBACK
- E. TRANSMIT OPTIONS
 - 1. SEND CHECK CHAR'S
 - 2. SEND CHECKSUM
 - 3. DATA EDIT OPTIONS

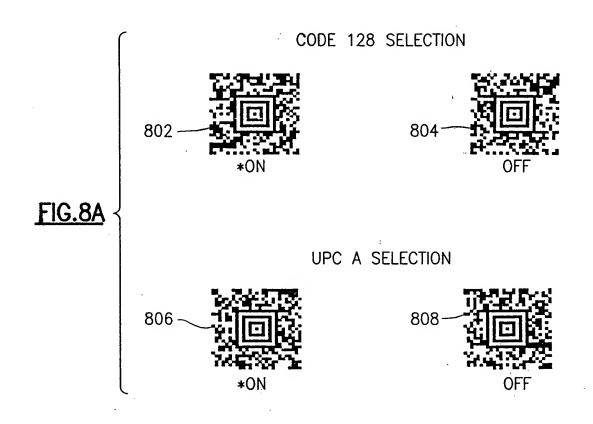
FIG.7B

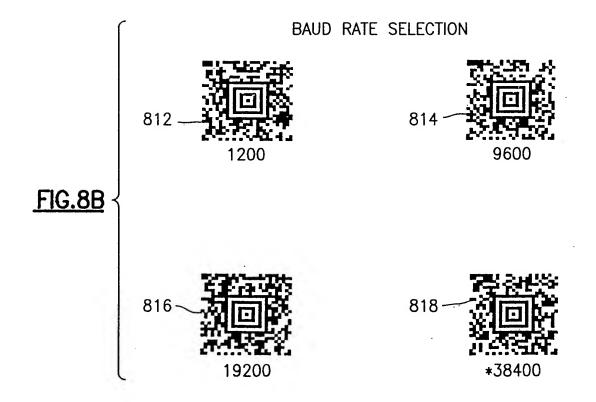
OP CODE TABLE

- A. OP CODE "O"-VECTOR PROC.
 - OUTPUT VERSION OF SOFTWARE
 - 2. OUTPUT CONTENTS OF PARAMETER TABLE
 - 3. DISPLAY ENABLED CODES
 - 4. PRINT PARAMETER TABLE AS BAR CODE SYMBOL
- B. OP CODE "1" CLEAR
- C, OP CODE "2" SET
- D. OP CODE "3" TOGGLE
- E. OP CODE "4" ADD
- F. OP CODE "5" DEFAULT
- G. OP CODE "6" LOAD
- H. OP CODE "7" RESERVED

FIG.7C







DEFAULT ALL CODE 11/CODE 128 SETTINGS



CODE 11 SELECTION



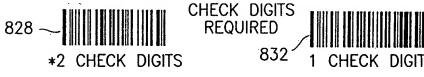


FIG.8C



CODE 128 SELECTION





‡ A TWO-DIGIT NUMBER IS REQUIRED AFTER SCANNING THIS PROGRAMMING BAR CODE. PLEASE SCAN YOUR SELECTION ON THE PROGRAMMING CHART (INSIDE BACK COVER).

RS-232D PORT 2 (D OUTPUT) *DEFAULT ALL RS-232 PORT 2 SETTINGS*



CTS CHECK SELECTION



ENABLE

*DISABLE

BAUD RATE SELECTION

FIG.8D



300



600



1200



2400



4800

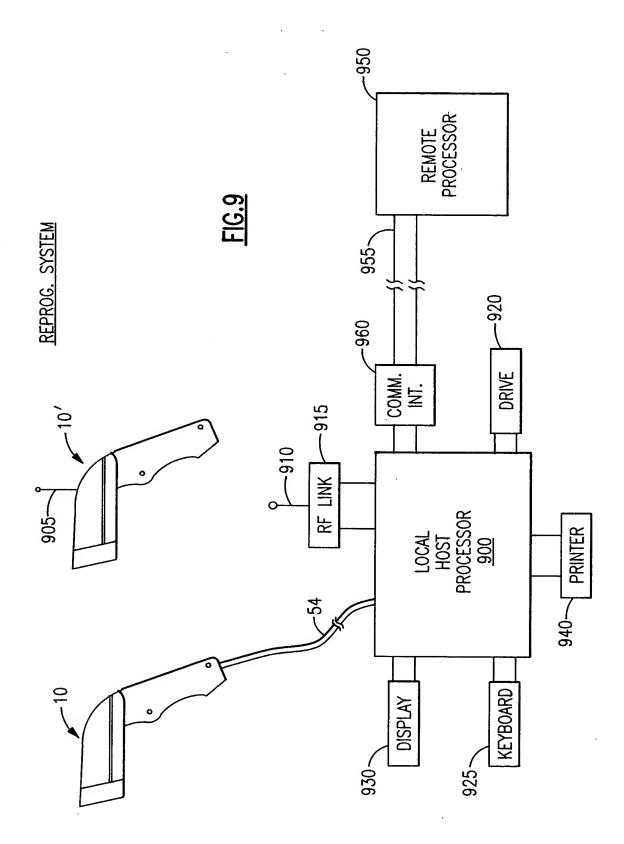


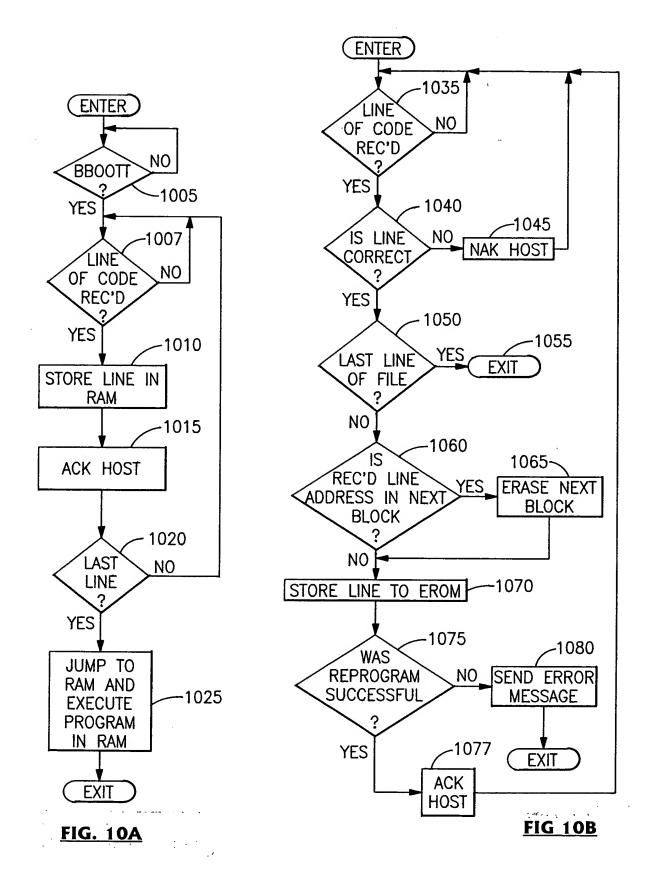
*9600

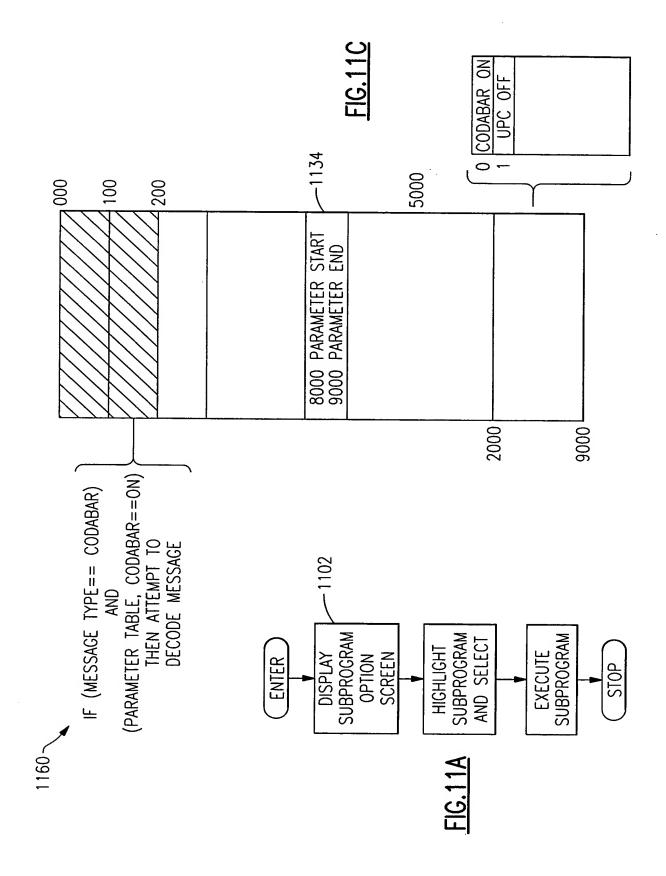


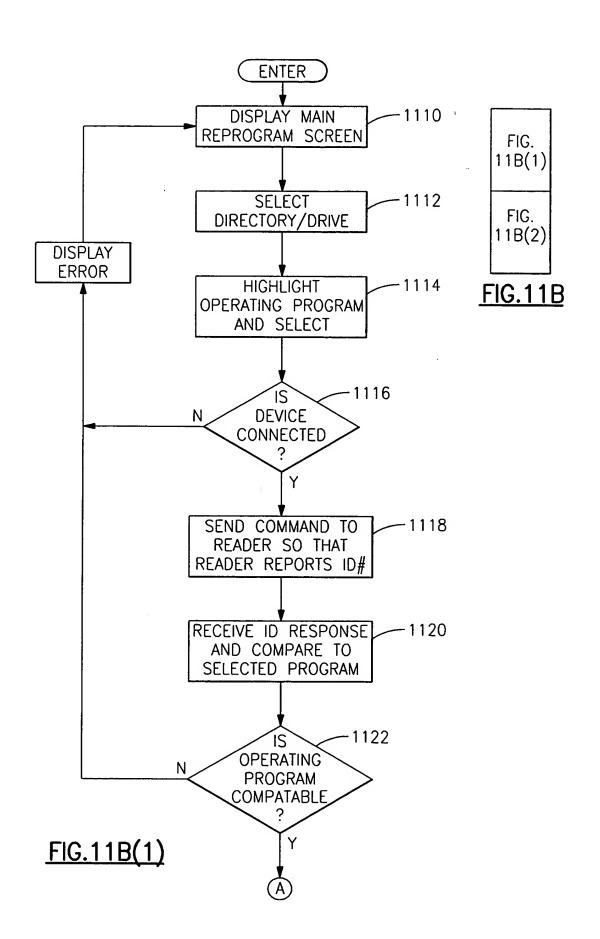
19200

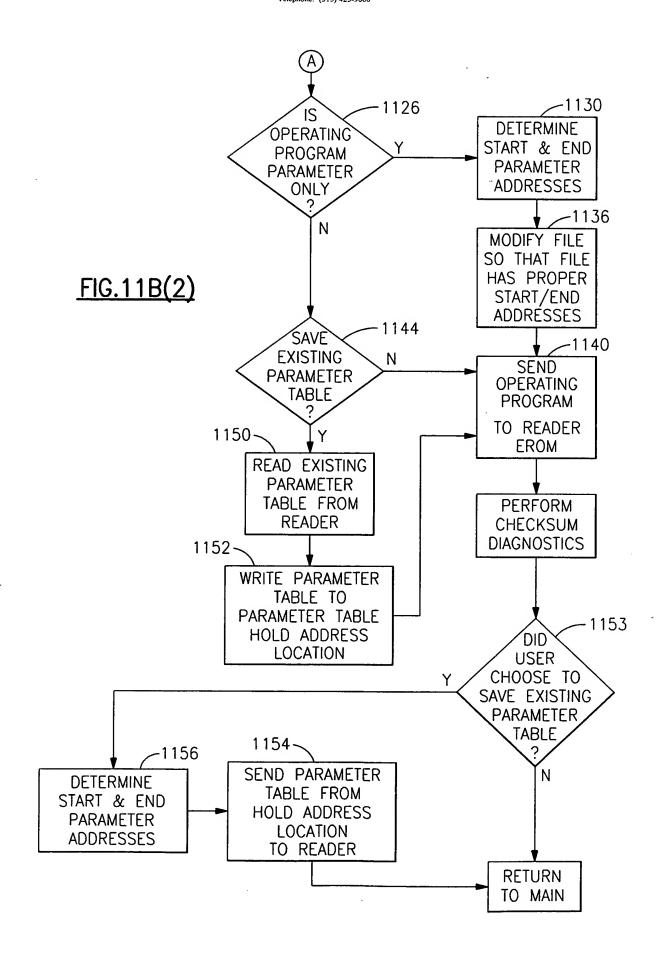
38400

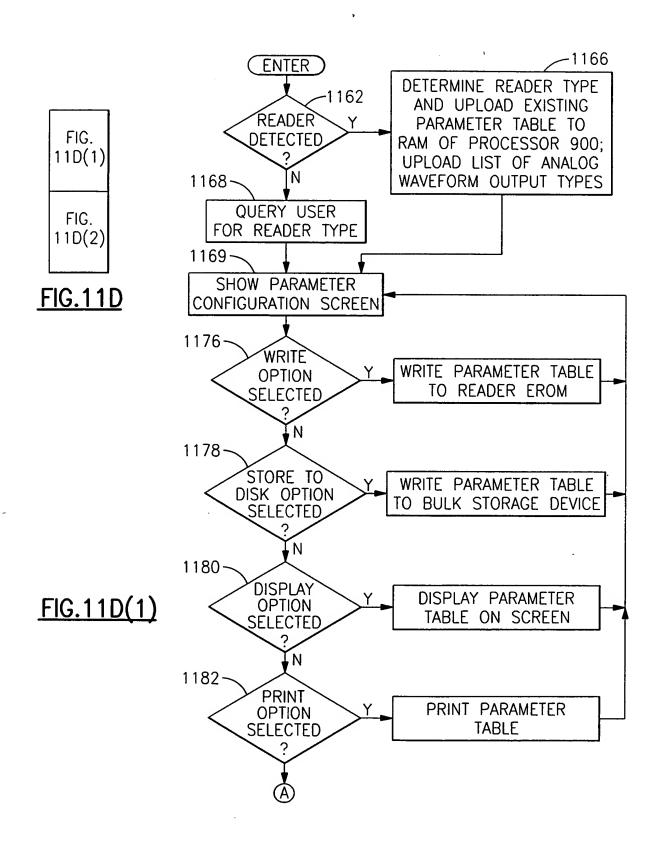


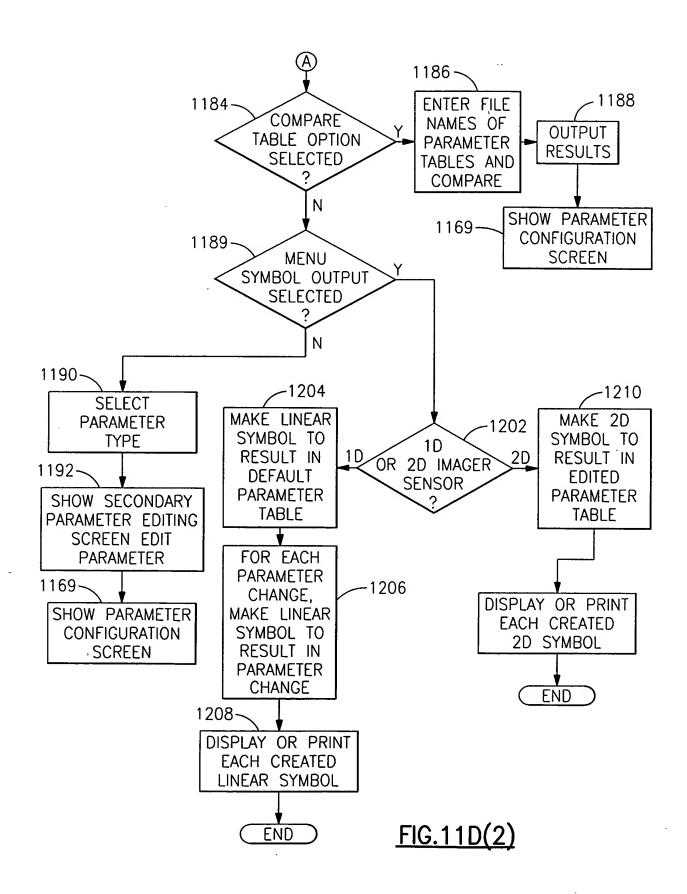






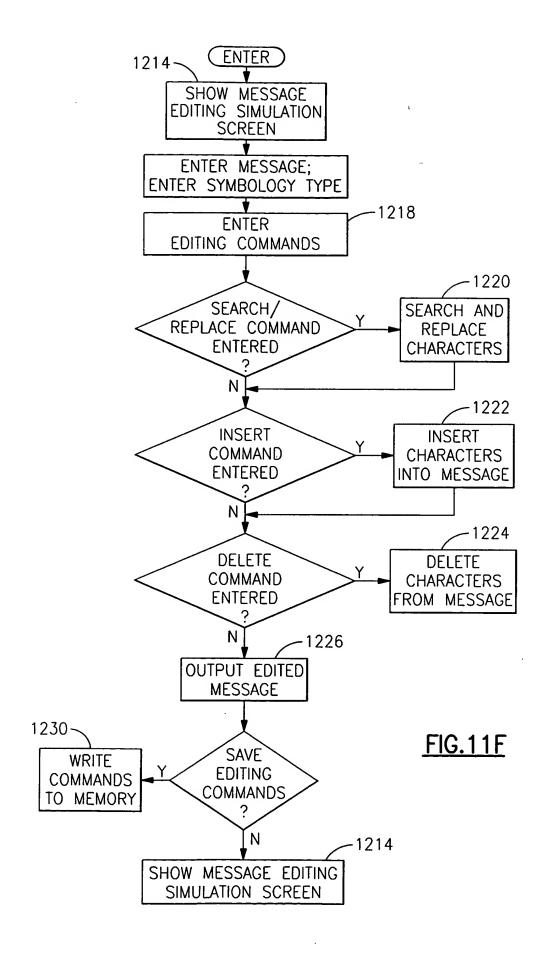






[STATES AND STREET DEVICE CONFIGURATION SO TO STREET STREET	
	PRODUCT: ST3400-x2	J-x2 FIRMWARE ID: WA23720027	
. . ,. <u>.</u>	CONFIGURATION:	DESCRIPTION:	
	PREFIX/SUFFIX	SETUP CHARACTERS TO TRANSMIT BEFORE AND/OR AFTER EACH BARCODE SYMBOL SCANNED	READ FROM DEVICE
	<u>O</u> UTPUT SETTINGS	SETUP VARIOUS OUTPUT PARAMETERS	WRITE TO DEVICE
4	SYMBOLOGY SETUP	SETUP DECODING CHARACTERISTICS FOR EACH BARCODE SYMBOLOGY	LOAD FROM DISK SAVE TO DISK
	IERMINAL INTERFACE	SELECT THE TERMINAL INTERFACE THE DEVICE WILL CONNECT TO	DEFAULT ALL
	DATA <u>F</u> ORMATTING	CUSTOMIZE THE FORMAT OF THE OUTPUT OF THE BARCODE MESSAGE	
	S <u>E</u> RIAL SETTINGS	SETUP THE DEVICE'S SERIAL COMMUNICATION PARAMETERS	HFI P
	MISC. SETTINGS	SETUP VARIOUS PRIMARY AND SECONDARY INTERFACE OPTIONS	3S015

FIG. 11E

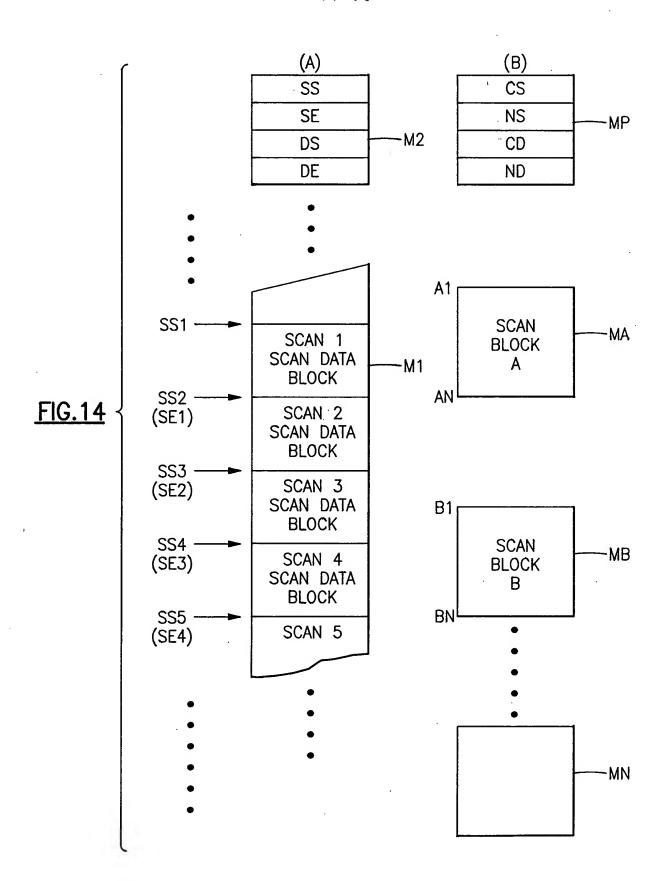


7M7	1 E 1	TIME	SCAN 3	
-[SCAN5	DECODE SCAN 4	- SCAN5	2 DECODE	_
-SCAN 1 SCAN 2 SCAN 3 SCAN 4 SCAN5	DECODE SCAN 3	-SCAN 1 SCAN 2 SCAN 3 SCAN 4 SCAN5	DECODE SCAN 1 $\left $ DECODE SCAN 2 $\left $ DECODE SCAN 3	
ISCAN	DECODE SCAN 2	SCAN	SCAN 1	_
-ISCAN	DECODE SCAN 1	-ISCAN 2	DECODE	-
CANNING	DECODING	CANNING	DECODING	
(A) LIGHT S	COAD	(B) HEAVY S	[CAD]	i
	•			

Filo. 12
Prior Art

			· • • • • • • • • • • • • • • • • • • •	
SCAN 8 DECODE SCAN 7	SCAN 5 DECODE SCAN 4	SCAN 8 DECODE SCAN 7	SCAN 8 (MEM A) DECODE SCAN 7 (MEMORY B)	SCAN 8 (MEM A) DECODE SCAN 6 (MEMORY B)
SCAN 6 SCAN 7 DECODE DECODE SCAN 5 SCAN 6	SCAN 4 DECODE SCAN 3	SCAN 6 SCAN 7 DECODE SCAN 5	SCAN 6 SCAN 7 (MEM B) (MEM B) DECODE SCAN 5 (MEMORY A)	SCAN 5 SCAN 6 SCAN 7 SCAN 8 (MEM C) (MEM B) (MEM C) (MEM A) SCAN 2 DECODE SCAN 4 DECODE SCAN 8 (MEMORY A) (MEMORY A)
SCAN 3 SCAN 4 SCAN 5 SCAN 6 SCAN 7 SCAN 8 DECODE	SCAN 3 DECODE SCAN 2	SCAN 1 DECODE SCAN 2 DECODE SCAN 5 DECODE	SCAN 4 SCAN 5 (MEM A) (MEM A) DECODE SCAN 3 (MEMORY B) TS	SCAN 4 (MEM A) DECODE (MEMO
-	SCAN 1	SCAN 2 SCAN 3 DECODE SCAN 1	SCAN 1 SCAN 1 SCAN 1	SCAN 2 SCAN 3 (MEM B) (MEM C) DECODE SCAN 1 (MEMORY A)
SCAN 1	SCAN 1	SCAN 1	SCAN 1 (MEM A)	SCAN 1 (MEM A)
(A) SCANNING SCAN 1 SCAN 2 DECODE SCAN 1	(B) SCANNING SCAN 1 SCAN 2 DECODE	SCANNING SCAN 1 SCAN 2 DECODE	(D) SCANNING (MEM A) (MEM B) DECODING DECODE (MEMOI	SCANNING (E) DECODING
<u> </u>		<u></u>	<u> </u>	

FIG. 13



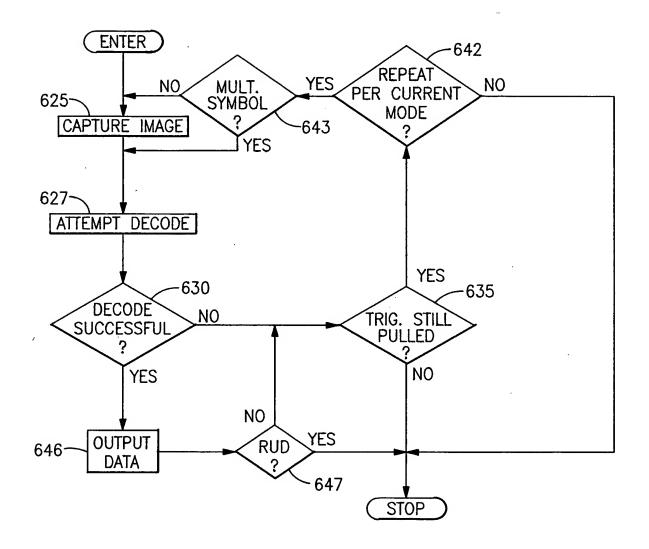
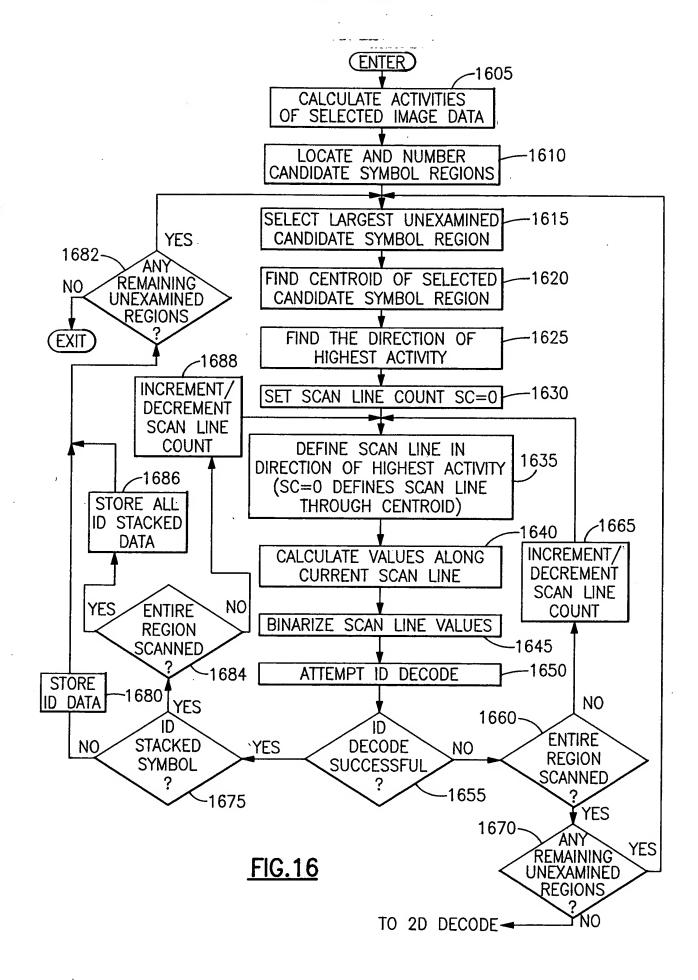
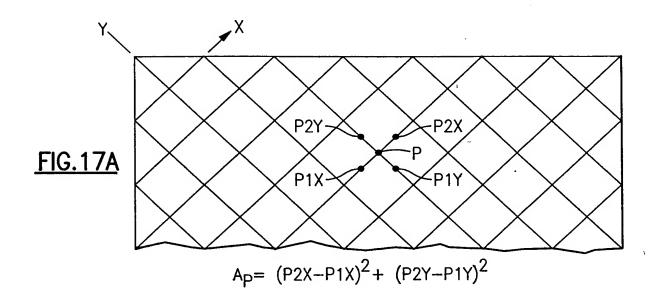
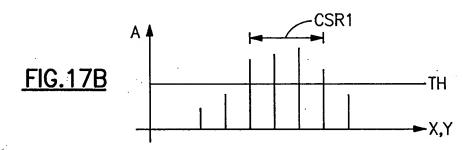
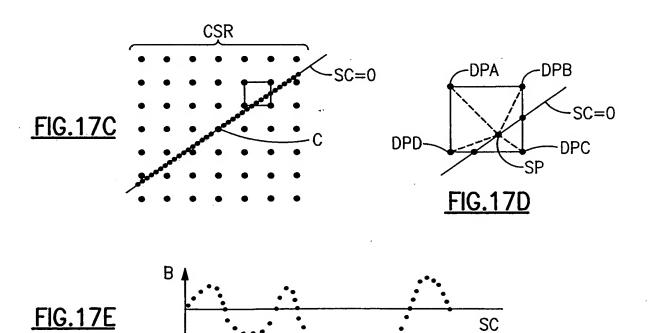


FIG.15

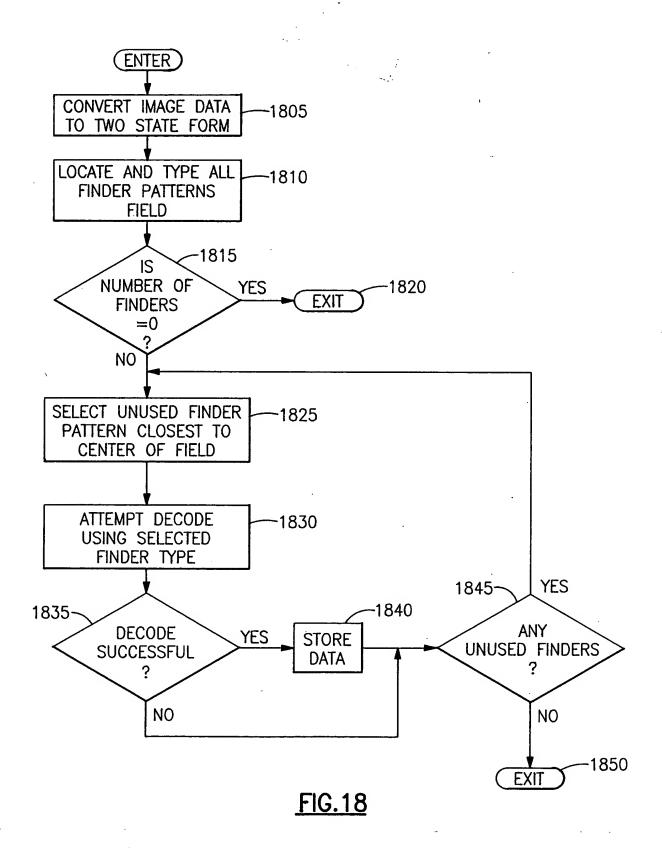








SC



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Andrew Longacre, Jr. et al.
For: Autodiscriminating Bar Code Reading Apparatus Having Solid State Image Sensor
Our Docket No. 703-006.50.27
Telephone: (315) 425-9000



FIG. 19A

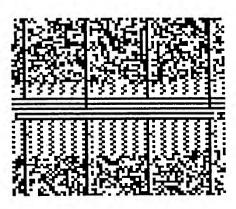


FIG.19B

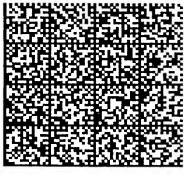


FIG.19C

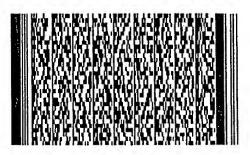
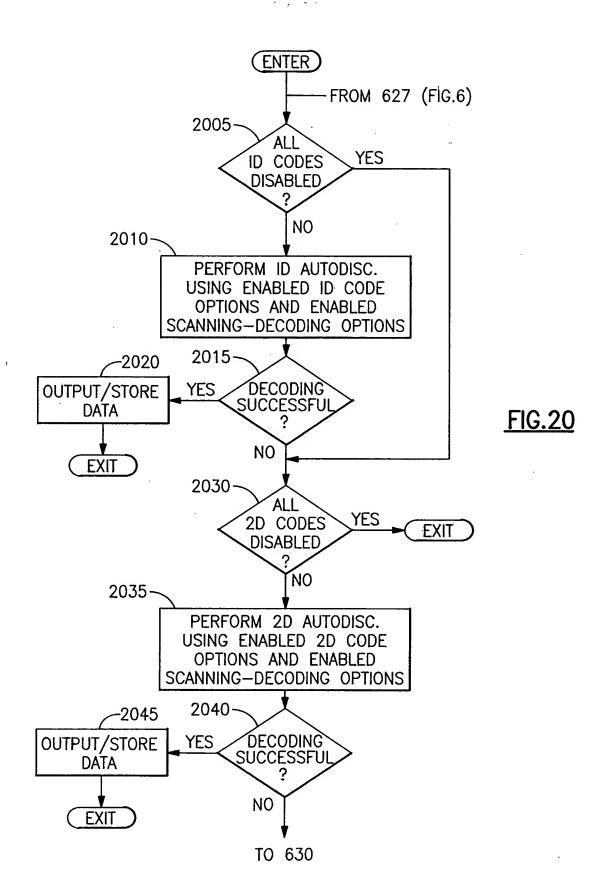
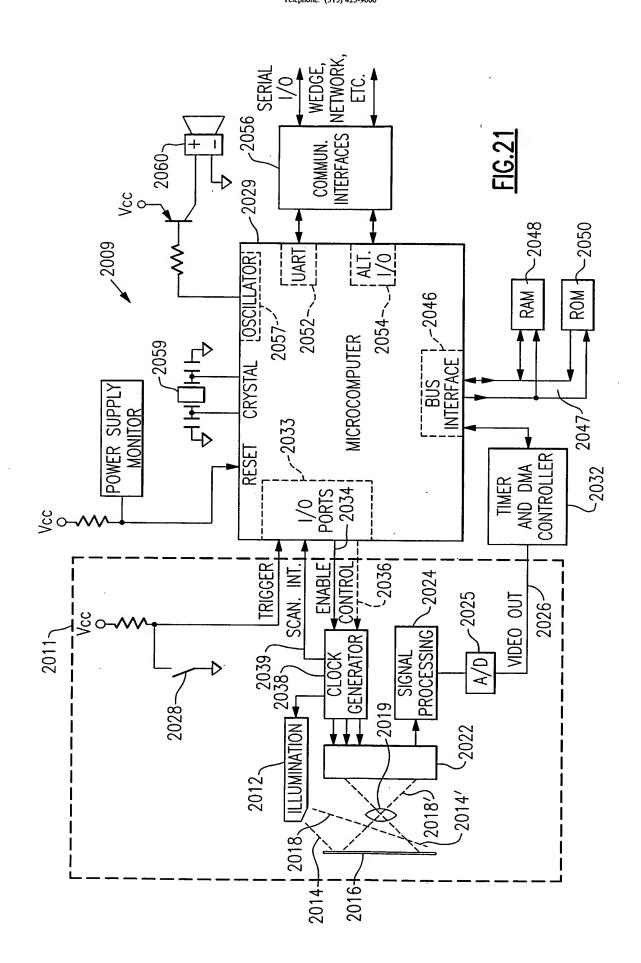
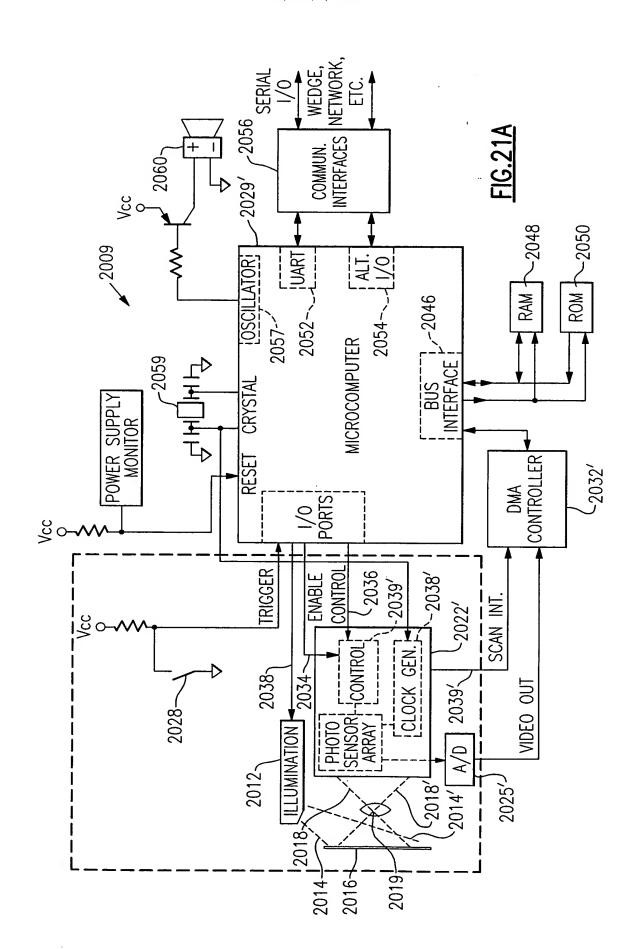
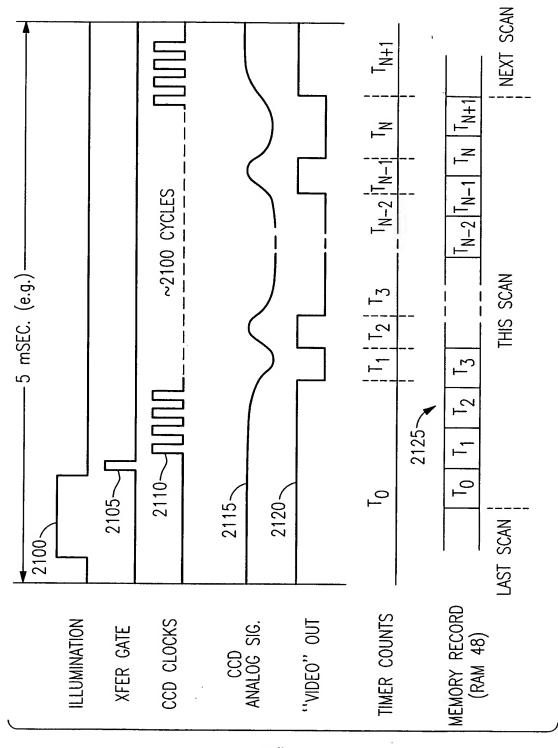


FIG.19D









-16.22

	TIME			TIME .			
	SCAN 1 SCAN 2 SCAN 3 SCAN 4 SCAN 5	DECODE SCAN 4			SCAN 1 SCAN 2 SCAN 3 SCAN 4 SCAN 5	DECODE	
	3 SCAN 4	DECODE SCAN 3			5 SCAN 4-	DECODESCAN 2	
	2 SCAN 3	DECODE SCAN 2	34		2 SCAN 3		38 Art
	1SCAN	DECODE SCAN 1	FIG.23A Prior Art		1 SCAN 2	DEC	FIG.23B Prior Art
	SCAN				SCAN		
	SCANNING	DECODING			SCANNING	DECODING	
2135	LOAD		2140	2140 HEAVY LOAD			

SCANNING SCAN SCAN								
SCAN SCAN SCAN SCAN SCAN SCAN SCAN SCAN								
SCANNING SCAN SCAN SCAN SCAN SCAN SCAN 5								
DECODING DECODE DECODE DECODE SCAN 1 SCAN 2 SCAN 3 SCAN 4 FIG.24B								
SCAN +								
SCANNING SCAN SCAN								
FIG.24C								
SCAN SCAN SCAN SCAN SCAN SCAN SCAN 1 2 3 4 5 6 7 8								
SCANNING $\left[\begin{pmatrix} MEM \\ A \end{pmatrix} \right] \left(\begin{pmatrix} MEM \\ B \end{pmatrix} \right] \left(\begin{pmatrix} MEM \\ A \end{pmatrix} \right) \left(\begin{pmatrix} MEM \\ B \end{pmatrix} \right) \left(\begin{pmatrix} MEM \\ B \end{pmatrix} \right) \left(\begin{pmatrix} MEM \\ B \end{pmatrix} \right) \left(\begin{pmatrix} MEM \\ A \end{pmatrix} \right)$								
DECODING DECODE DECODE DECODE DECODE DECODE SCAN 5 SCAN 7 (MEMORY A) (MEMORY B) Ts1 Ts0 Ts2 Ts2								
FIG.24D								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								
DECODING DECODE DECODE DECODE SCAN 1 SCAN 2 SCAN 4 SCAN 6 (MEMORY A) (MEMORY B) (MEMORY A) (MEMORY B)								

FIG.24E

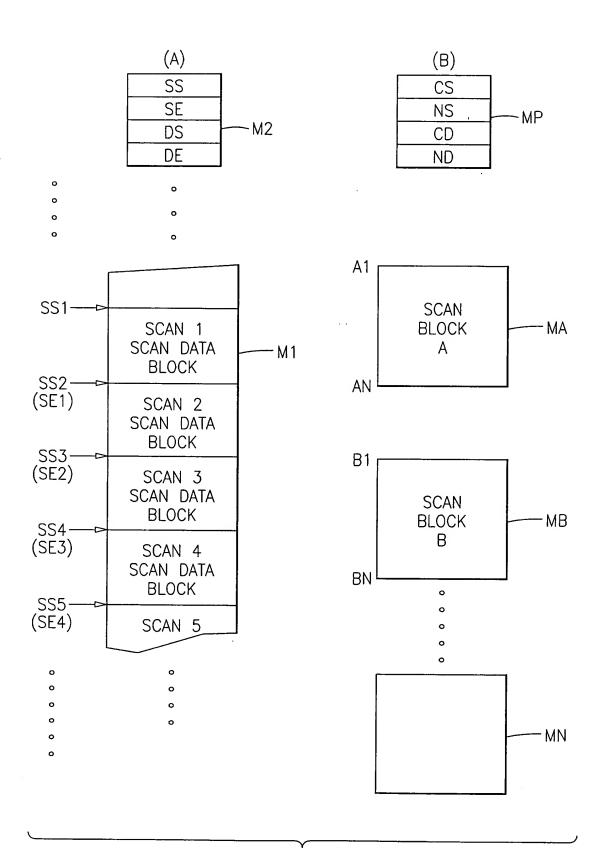


FIG.25

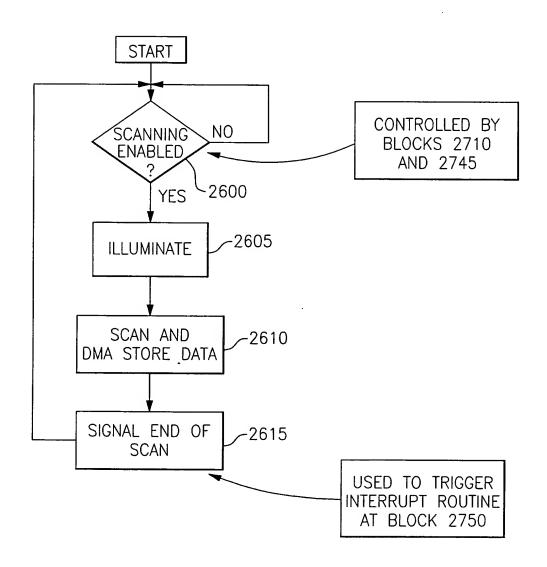


FIG.26

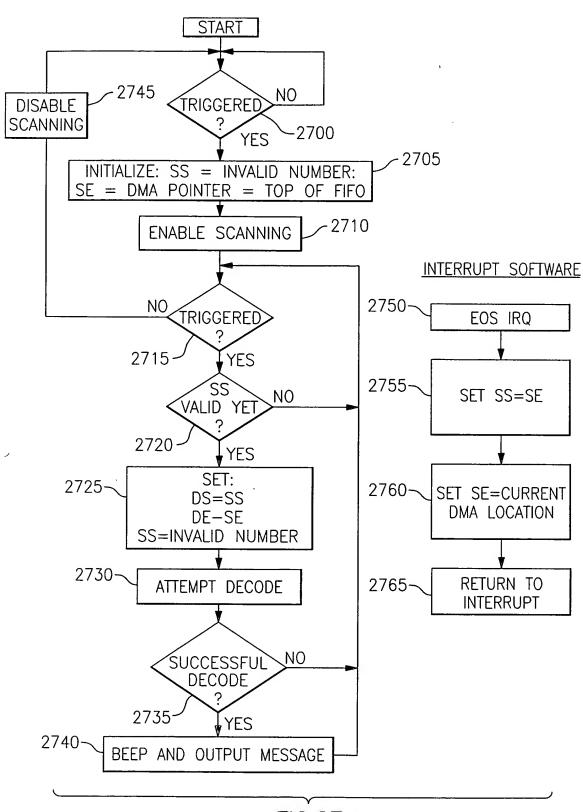


FIG.27

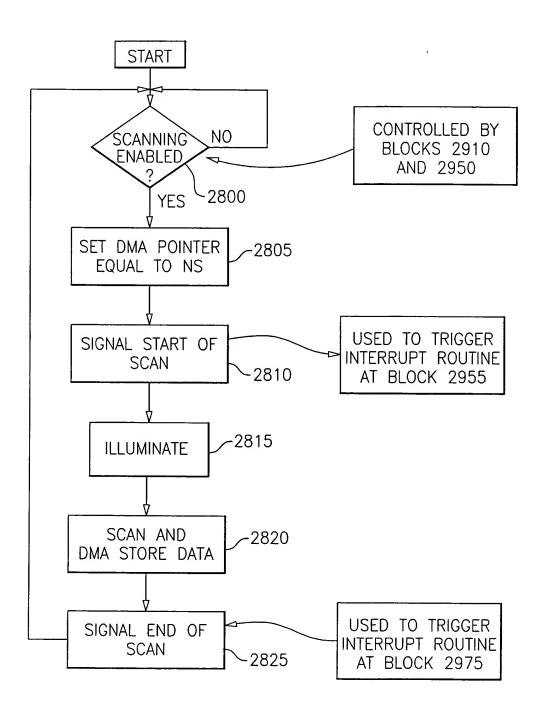


FIG.28

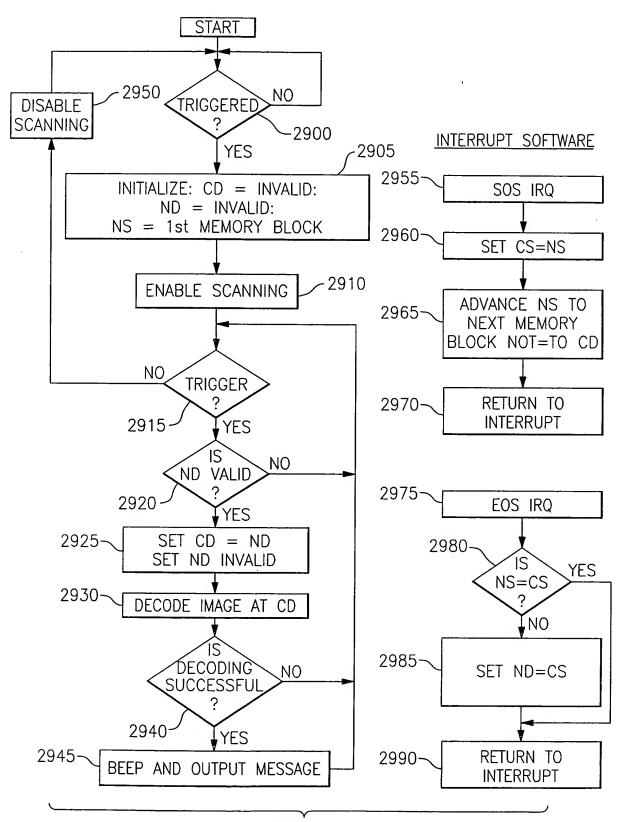
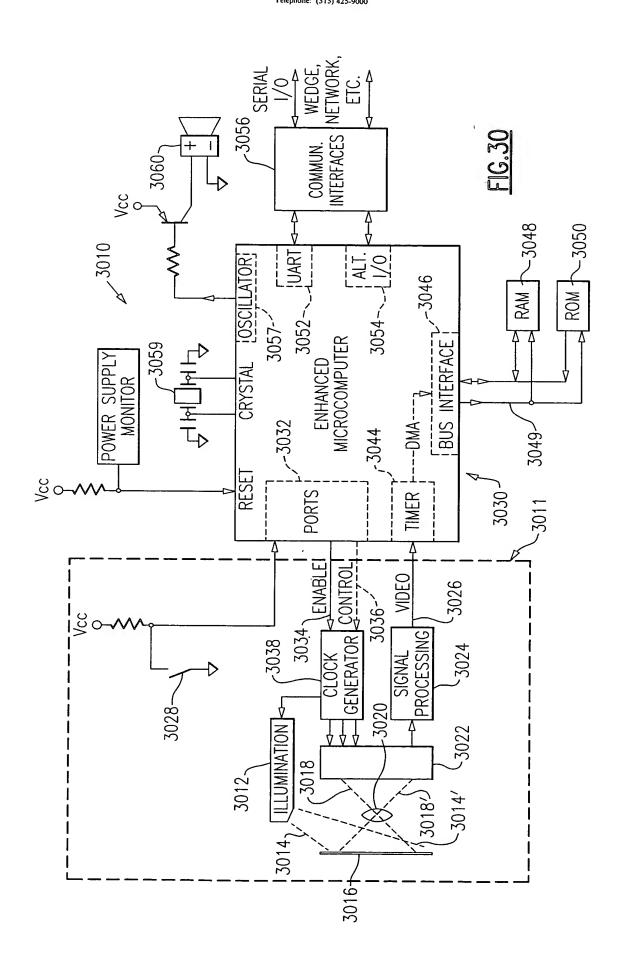
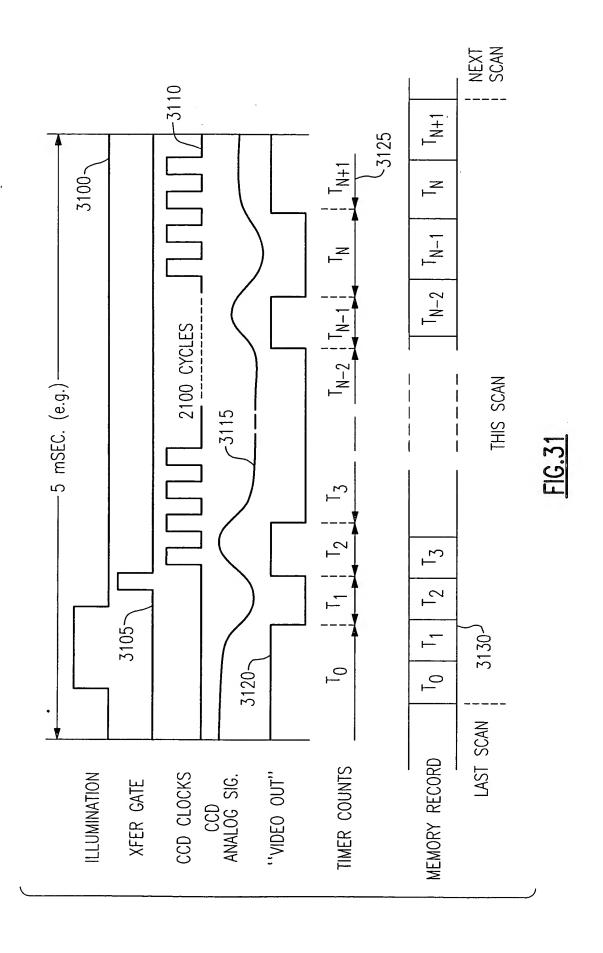
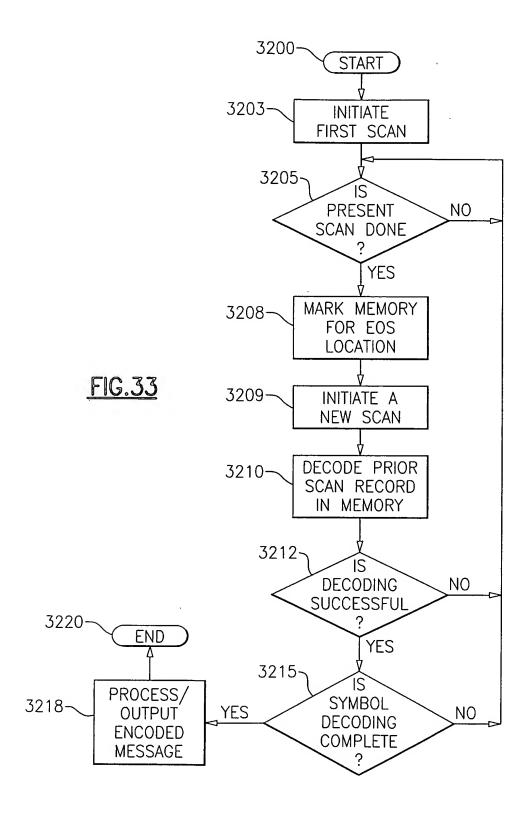


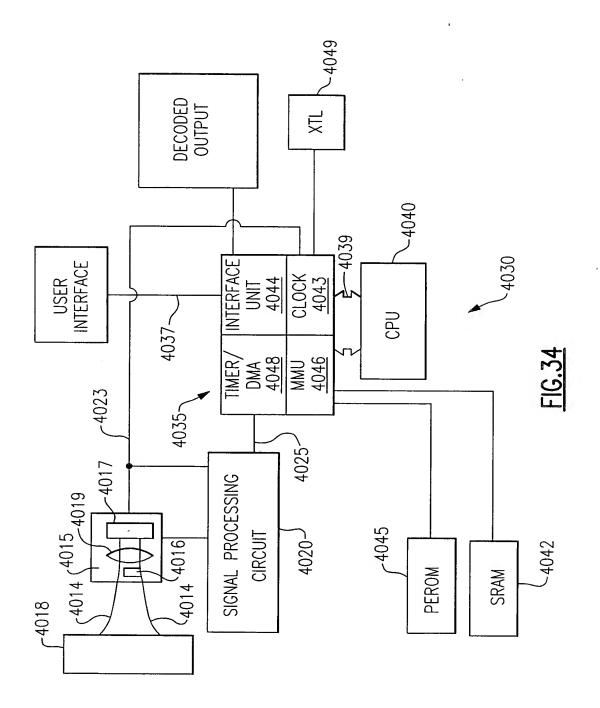
FIG.29





	- DECODE SCAN 4		SCAN' 4 DECODE SCAN 3
SCANNING	INING - SCAN 1 SCAN 2 SCAN 3 SCAN 4 DDING - DECODE SCAN 1 DECODE SCAN 2 FIG. 32A Prior Art	SCANNING - SCAN 1 SCAN 2 SCAN 3 SCAN 4 DECODING DECODE DECODE SCAN 3 SCAN 3	SCANNING
SCAN	SCANNING	SCAN	SCAN
LOAD	LOAD	LOAD	LOAD





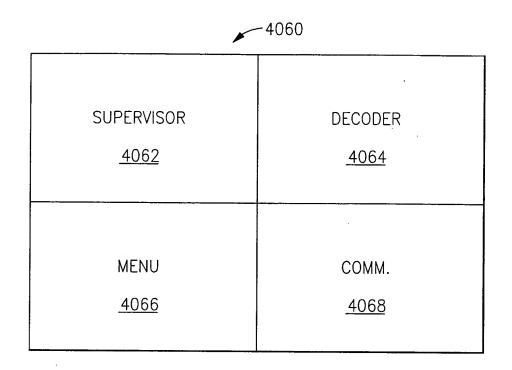
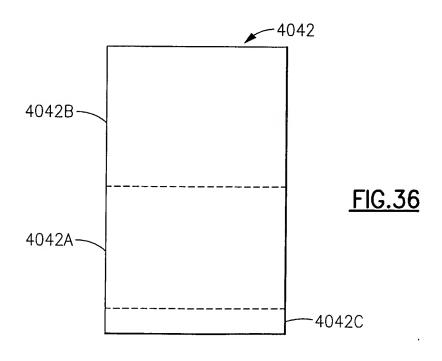
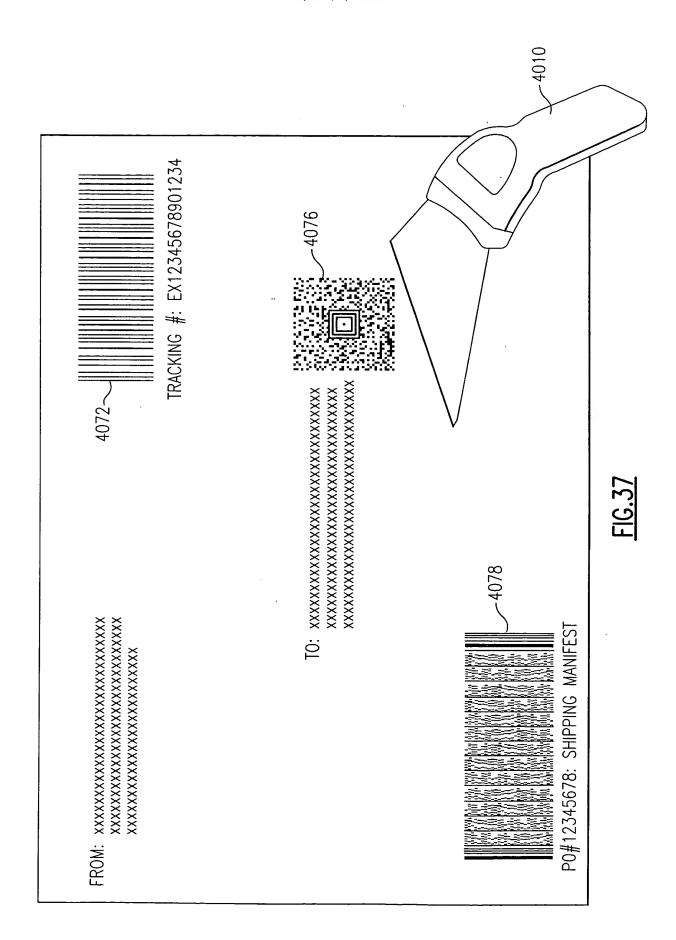
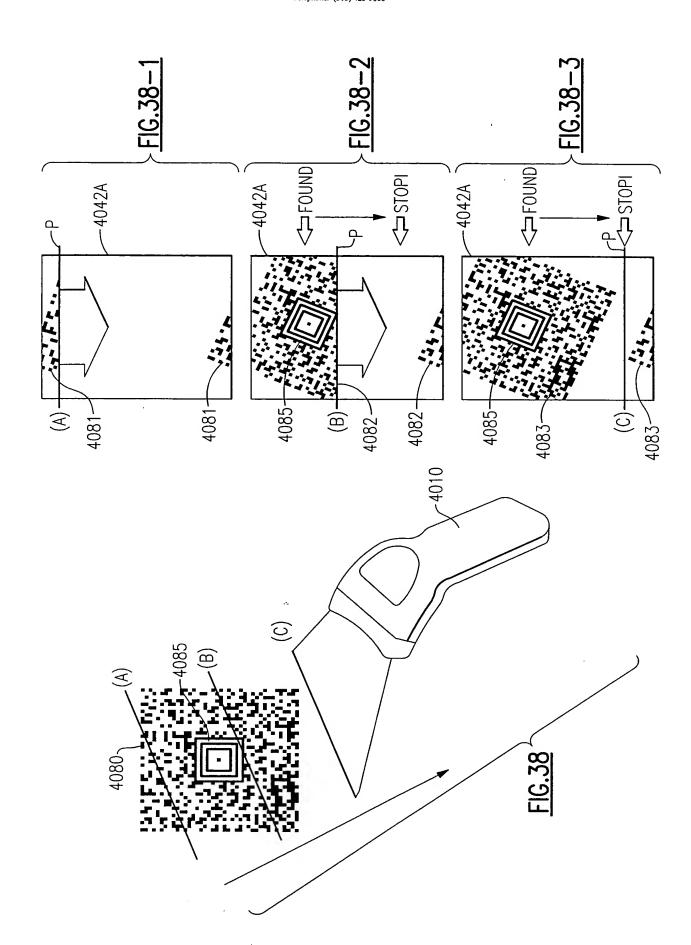


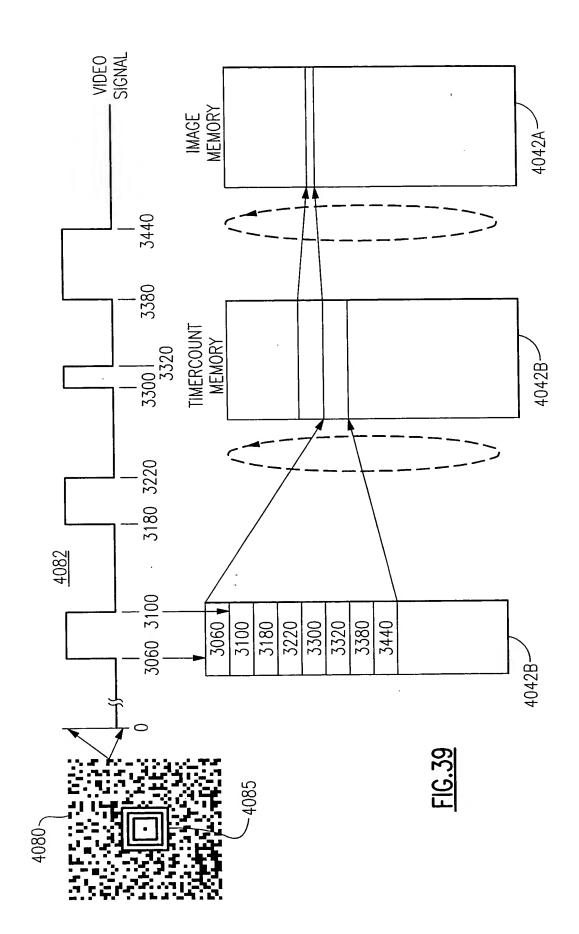
FIG.35

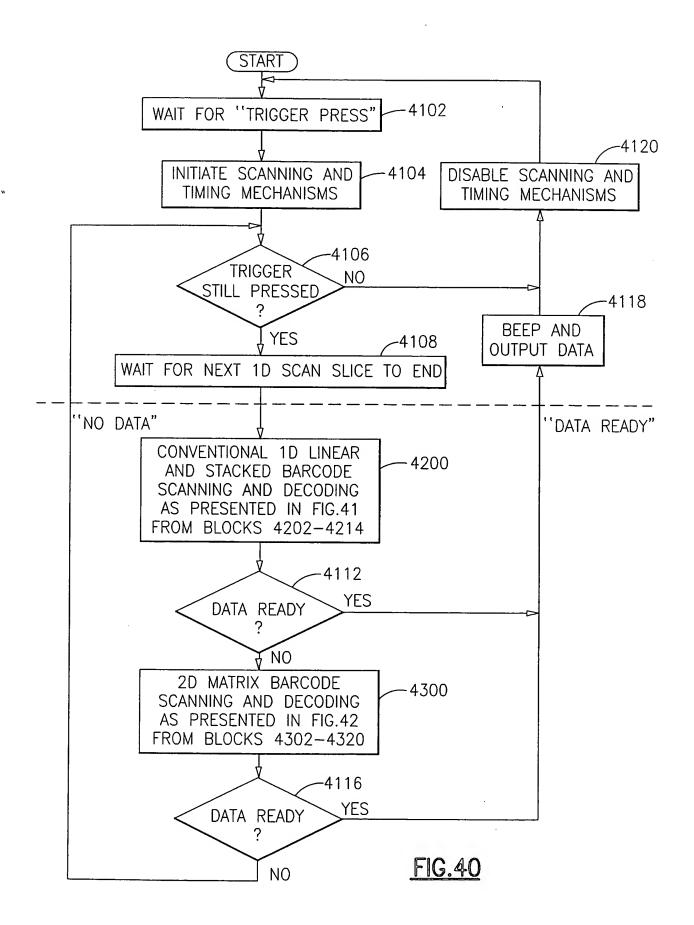


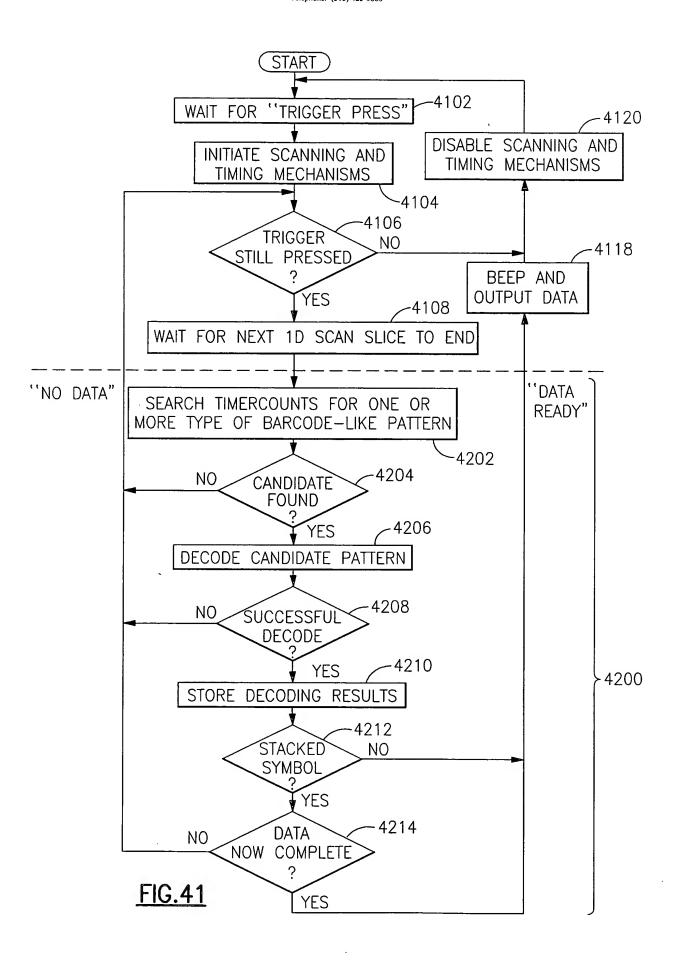


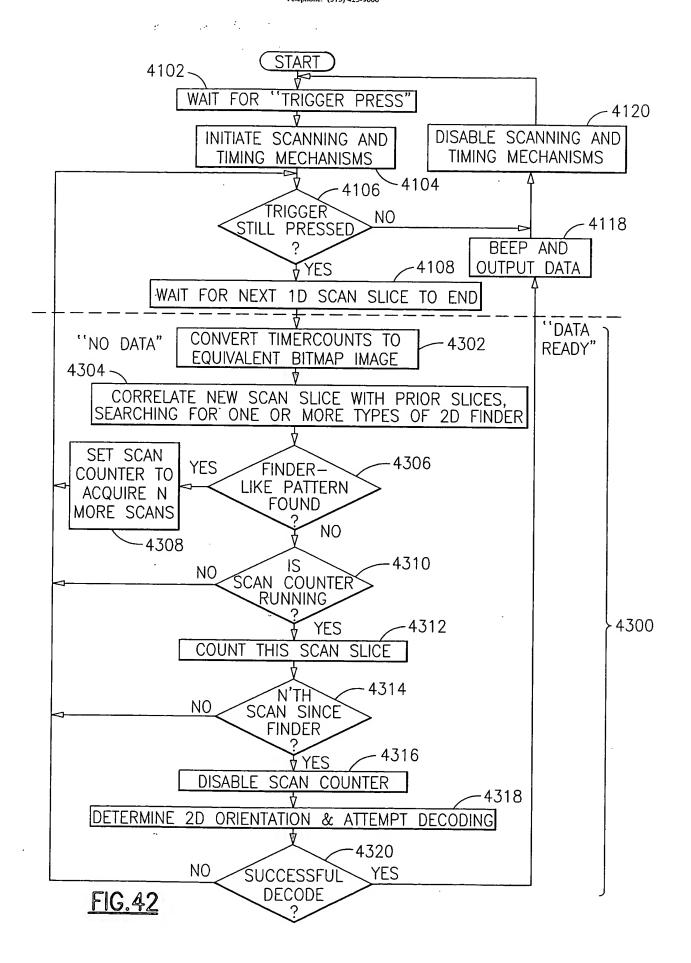


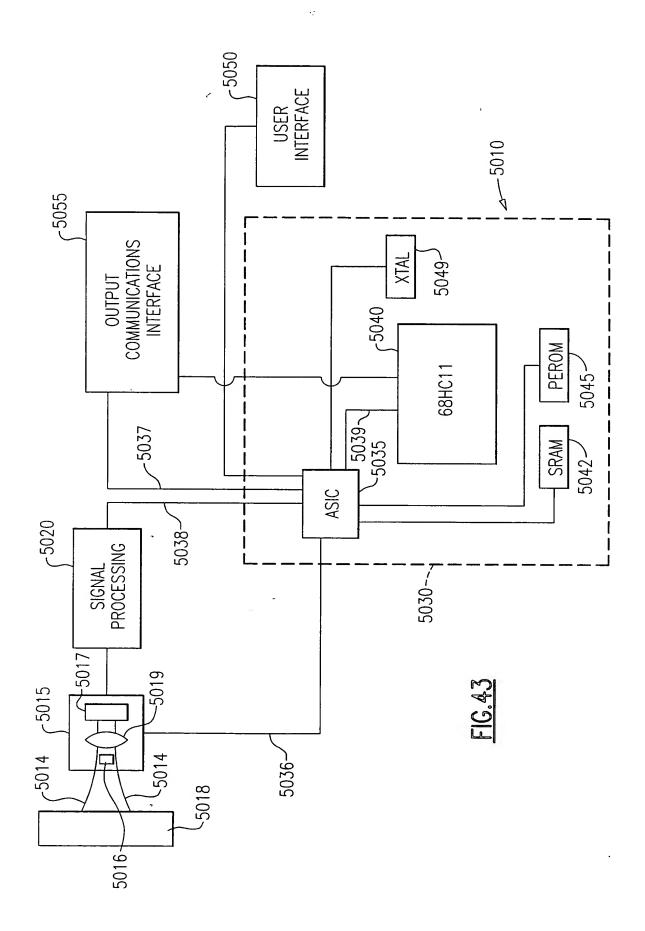
ما توكيسه المراجع والمستريد والمراد والمراد والمراد والمراد والمراد المراجع المراجع المراجع المراجع المراجع المراد والمراد وال

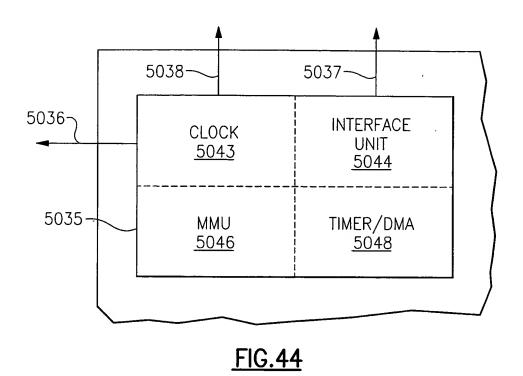










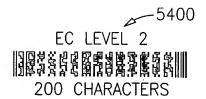


SUPERVISOR DECODER 5062 5064

MENU COMM. 5066 5068

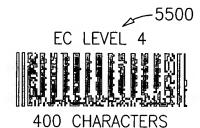
FIG.45

Express Mail Label No. EV317007425 US
Andrew Longacre, Jr. et al.
For: Autodiscriminating Bar Code Reading Apparatus Having Solid State Image Sensor
Our Docket No.: 703-006.50.27
Telephone: (315) 425-9000



5410

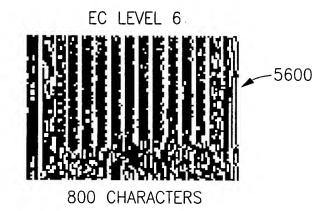
FIG.46



5510

FIG.47

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For: Autodiscriminating Bar Code Reading Apparatus Having Solid State Image Sensor
Our Docket No.: 703-006.50.27
Telephone: (315) 425-9000



5610

FIG.48

